



CALIFORNIA AGRICULTURAL EMPLOYMENT AND EARNINGS BULLETIN

April 1992

MARCH 1992

This bulletin covers 27 agricultural industries statewide, and from five to seventeen industries in each of six regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details). The data are organized into sets of tables by state and region:

- Wage and Salary Workers (Table A).
- Agricultural Production Workers (Table B).
- Average Weekly Earnings of Production Workers (Table C).
- Average Hours Worked by Production Workers (Table D).
- Average Hourly Earnings of Production Workers (Table E).

In March 1992 agricultural employment totaled 267,300 (Table 1-A), an 8 percent increase over last month's level and a 6 percent increase over March 1991. Over half of the increased statewide employment was in the South Coast Region, primarily in Berries and Farm Labor Contracting. The Central Coast and Desert Regions showed slight increases in employment, with the Sacramento Valley and North Coast Regions virtually unchanged from last month. The San Joaquin Valley showed a slight decline in employment (2,300 workers) since last month.

Wage and Salary Workers in Agricultural Establishments

For March 1992

(In Thousands)

Industry	State- wide	San Joaquin	South Coast	Central Coast	Desert	Sacra- mento	North Coast
Total Agricultural	267.3	99.5	61.7	41.0	34.6	20.6	10.5
Total Crops	147.8	47.2	44.0	23.4	12.5	13.5	7.7
Total Livestock	25.3	13.2	2.6	1.2	5.0	2.1	1.7
Total Services	94.2	39.1	15.1	16.4	17.1	5.0	1.1

Source: Tables 1-A through 7-A, March 1992.

CHANGES FROM ONE YEAR AGO

Statewide employment was up 6 percent from the year-ago level of 251,900. Employment gains in Crop Preparation Services for Market and Farm Labor Contracting accounted for two-thirds of the statewide increases. Most of the year-to-year increase in Crop Preparation Services for Market employment was concentrated in the San

Joaquin Valley. The employment gains in Farm Labor Contracting were evenly divided between the San Joaquin Valley and South Coast Regions. The largest regional gain in the number of workers occurred in the South Coast (7,100 workers) and San Joaquin Valley (6,600 workers). The Central Coast, with an 11 percent increase, and the Sacramento Valley, with a 16 percent increase, showed the greatest relative gains in employment from March 1991. The Desert Region had 2,100 or 6 percent fewer workers than at the same time last year. (Tables 1-A through 7-A.)

REGIONAL CROP ACTIVITIES

According to the California Farm Labor Report (881A), the major regional crop activities during March were:

- Desert: Lettuce (harvest).
- South Coast: Horticulture, lemons, tomatoes and avocados (harvest), miscellaneous vegetables and strawberries (plant, cultivate and harvest).
- Central Coast: Miscellaneous vegetables (preharvest and harvest), horticulture (plant, cultivate and harvest), vineyards (prune and tie), strawberries (preharvest).
- North Coast: Grapes (prune).
- San Joaquin Valley: Navel oranges and asparagus (harvest), miscellaneous vegetables (plant, cultivate and harvest), and vineyards (prune).

AGRICULTURAL PRODUCTION WORKERS

Between February 1992 and March 1992, there was a 10 percent increase in the number of agricultural production workers, statewide, to a total of 240,500. (Table 1-B.)

Statewide, average weekly earnings for agricultural production workers were \$263.87 and ranged from \$252.65 in the Desert Region to \$304.62 in the Central Coast Region. (Tables 1-C through 7-C.)

The average hours worked by agricultural production workers were 39.8 statewide, with a low of 39.4 hours in the South Coast Region and a high of 44.1 hours in the Sacramento Valley Region. The average hours worked increased statewide in March, because of the dry weather after a wet February. (Tables 1-D through 7-D.)

Average Hourly Earnings of Production Workers
For March 1992
(In Dollars per Hour)

Industry	State- wide	San Joaquin	South Coast	Central Coast	Desert	Sacra- mento	North Coast
Total Agricultural	6.63	6.57	6.54	7.54	6.38	6.38	7.00
Total Crops	6.45	6.47	6.20	7.09	6.08	6.45	6.86
Total Livestock	7.16	7.07	7.14	7.76	8.07	7.85	6.72
Total Services	6.74	6.46	7.41	8.20	5.99	5.63	8.94

Source: Tables 1-E through 7-E, March 1992.

DATA SOURCES:

The data are obtained from two sources: the Employment Development Department (EDD) Unemployment Insurance (UI) files, and a monthly survey, conducted by the Labor Market Information Division of EDD, of 4,000 agricultural employers. This sample, about 12% of the employers, was selected to be statistically representative of the state's agricultural employers by size, geographic location and industry categories.

Sample data are gathered for the week that includes the 12th calendar day of the month; thus all data in these bulletins represent activities taking place during this mid-month period.

DATA COMMENTS:

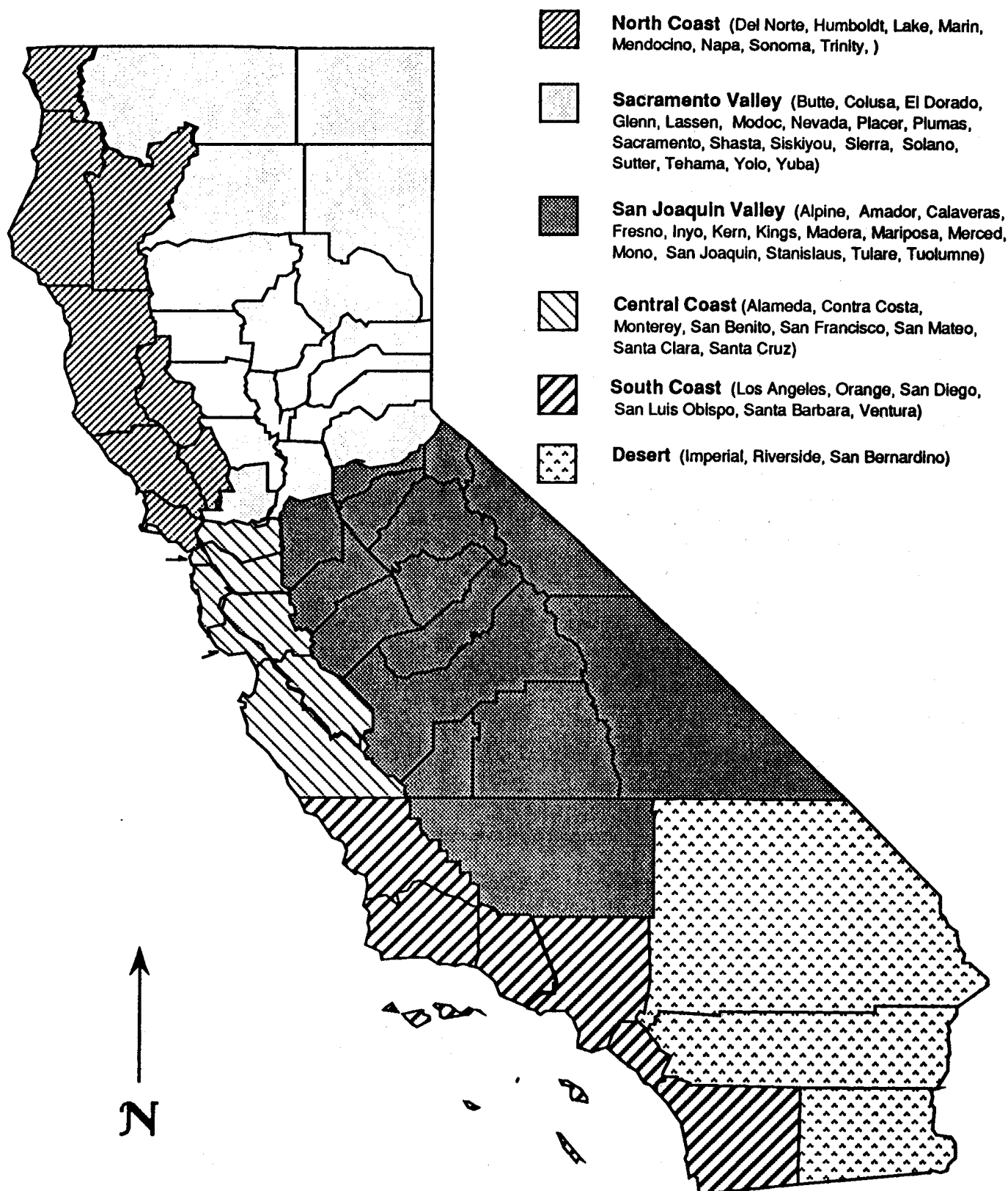
ESTIMATES FOR THE STATE AND SIX REGIONS ARE INDEPENDENTLY DERIVED. THEREFORE, THE SUM OF THE REGIONAL ESTIMATES WILL NOT NECESSARILY EQUAL THE STATEWIDE TOTAL.

To aid in accurate usage and interpretation of the data, please note the following:

- Employment data do not include employers or unpaid family workers.
- Figures for the current month are preliminary and subject to revision.
- Total agricultural employment estimates in this bulletin are derived from a monthly sampling project: the Current Employment Statistics for Agriculture. Estimates in this bulletin will differ from other agricultural estimates published by this department because of differences in the number of agricultural industries covered and in the definition of workers.

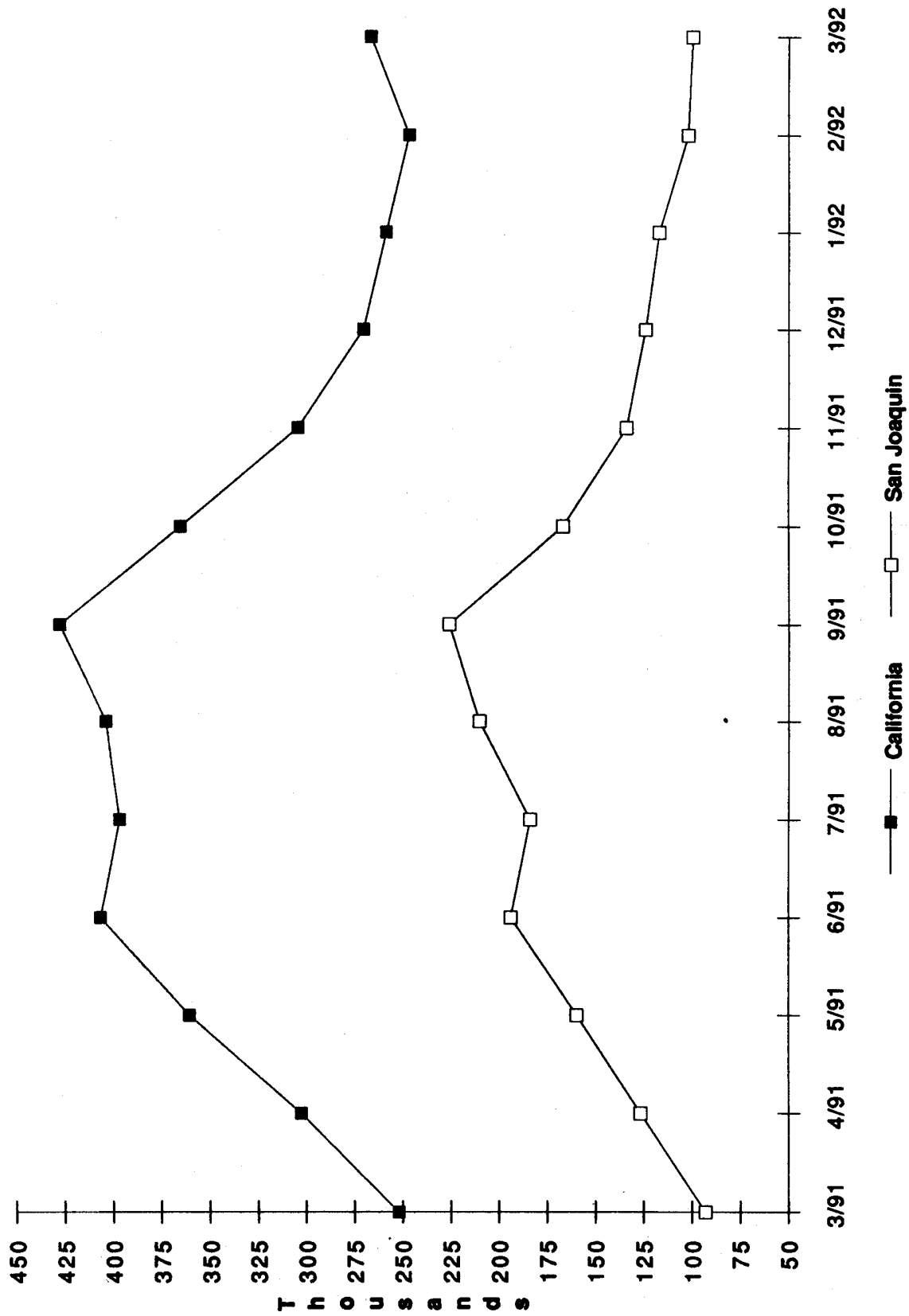
If you wish to be placed on our mailing list to receive future issues of this publication, please send your name and address to: **Special Projects Unit, Labor Market Information Division, Employment Development Department, P.O. Box 826216, Sacramento, CA 94299-9994** or call (916) 427-4961. (ATSS 8-466-4961).

CES-AG REPORTING REGIONS
LABOR MARKET INFORMATION DIVISION
EMPLOYMENT DEVELOPMENT DEPARTMENT



TOTAL WAGE & SALARY EMPLOYMENT

California and San Joaquin



TOTAL WAGE & SALARY EMPLOYMENT

All Regions except San Joaquin

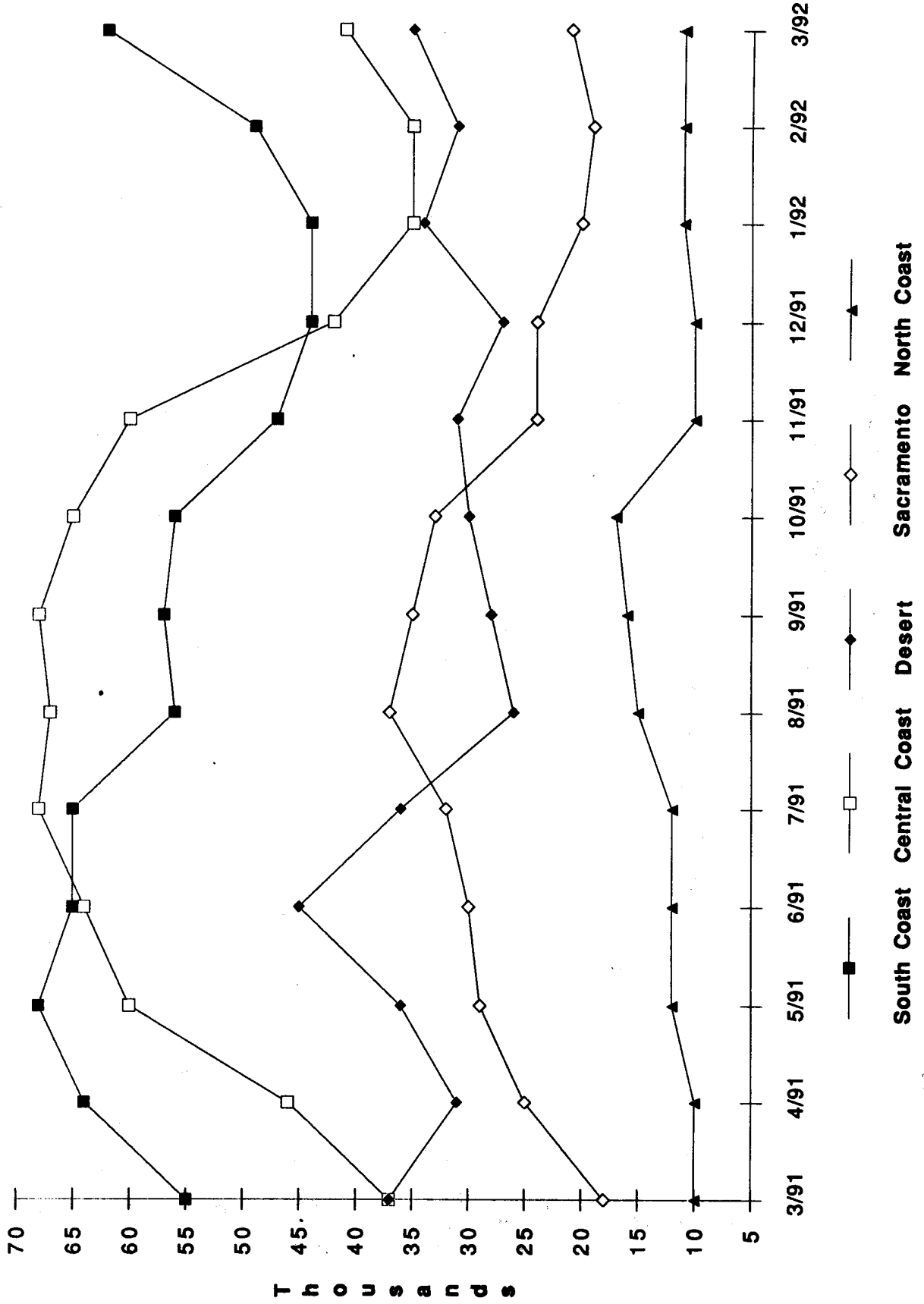


TABLE 1-A
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)
CALIFORNIA
(IN THOUSANDS)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	267.3	246.5	251.9
TOTAL AGRICULTURAL PRODUCTION/CROPS	147.8	135.3	144.6
CASH GRAINS	2.1	1.7	2.2
RICE	1.0	0.9	1.0
OTHER CASH GRAINS	1.1	0.8	1.2
FIELD CROPS EXCEPT CASH GRAINS	8.6	7.8	8.8
COTTON	4.4	4.0	4.9
OTHER FIELD CROPS	4.2	3.8	3.9
VEGETABLES AND MELONS	25.4	20.2	23.5
TOTAL FRUITS AND TREE NUTS	59.4	54.8	58.4
BERRIES	16.0	10.2	13.4
GRAPES	17.5	19.5	20.5
TREE NUTS	5.7	5.7	5.3
CITRUS FRUITS	4.9	4.7	4.4
DECIDUOUS TREE FRUIT	7.2	8.0	7.0
OTHER FRUITS AND NUTS	8.1	6.7	7.8
TOTAL HORTICULTURAL SPECIALTIES	30.5	29.8	30.8
ORNAMENTAL FLORAL & NURSERY	27.2	26.5	27.5
FOOD CROPS GROWN UNDER COVER	3.3	3.3	3.3
GENERAL FARM PRIMARILY CROP	21.8	21.0	20.9
TOTAL AGRIC PRODUCTION/LIVESTOCK	25.3	25.2	26.2
BEEF CATTLE FEED LOTS	0.7	0.7	0.8
BEEF CATTLE EXCEPT FEED LOTS	3.6	3.5	3.6
DAIRY FARMS	12.4	12.3	12.4
CHICKEN EGGS	2.9	3.0	3.2
TURKEYS & TURKEY EGGS	1.0	1.1	1.3
OTHER LIVESTOCK	4.7	4.6	4.9
TOTAL AGRICULTURAL SERVICES	94.2	86.0	81.1
SOIL PREPARATION SERVICES	0.8	0.8	0.8
CROP SERVICES	42.6	38.5	35.3
PLANT CULTIVATE & PROTECTION	3.8	3.5	4.4
HARVEST PRIMARILY BY MACHINE	8.5	6.0	6.8
PREPARATION SVCS FOR MARKET	29.7	28.3	23.4
COTTON GINNING	0.6	0.7	0.7
TOTAL FARM LABOR & MANAGEMENT	50.8	46.7	45.0
FARM LABOR CONTRACTORS	43.0	40.1	38.9
FARM MANAGEMENT SERVICES	7.8	6.6	6.1

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 1-B
AGRICULTURAL PRODUCTION WORKERS (1)
CALIFORNIA
(IN THOUSANDS)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	240.5	219.1	223.2
TOTAL AGRICULTURAL PRODUCTION/CROPS	130.8	117.8	127.3
CASH GRAINS	1.2	1.2	1.8
RICE	0.7	0.6	0.8
OTHER CASH GRAINS	0.5	0.6	1.0
FIELD CROPS EXCEPT CASH GRAINS	7.5	6.6	7.7
COTTON	3.9	3.4	4.4
OTHER FIELD CROPS	3.6	3.2	3.3
VEGETABLES AND MELONS	22.8	17.6	21.5
TOTAL FRUITS AND TREE NUTS	55.0	50.1	53.6
BERRIES	15.7	9.9	13.2
GRAPES	15.9	17.8	18.3
TREE NUTS	5.0	4.9	4.6
CITRUS FRUITS	4.5	4.3	4.1
DECIDUOUS TREE FRUIT	6.4	7.1	6.0
OTHER FRUITS AND NUTS	7.5	6.1	7.4
TOTAL HORTICULTURAL SPECIALTIES	24.6	23.6	24.9
ORNAMENTAL FLORAL & NURSERY	21.8	20.8	22.0
FOOD CROPS GROWN UNDER COVER	2.8	2.8	2.9
GENERAL FARM PRIMARILY CROP	19.7	18.7	17.8
TOTAL AGRIC PRODUCTION/LIVESTOCK	21.9	21.7	22.1
BEEF CATTLE FEED LOTS	0.5	0.5	0.6
BEEF CATTLE EXCEPT FEED LOTS	2.9	2.8	2.8
DAIRY FARMS	11.5	11.4	11.6
CHICKEN EGGS	2.2	2.3	2.3
TURKEYS & TURKEY EGGS	0.8	0.8	0.8
OTHER LIVESTOCK	4.0	3.9	4.0
TOTAL AGRICULTURAL SERVICES	87.8	79.6	73.8
SOIL PREPARATION SERVICES	0.6	0.6	0.6
CROP SERVICES	38.2	33.9	30.2
PLANT CULTIVATE & PROTECTION	3.0	2.7	3.4
HARVEST PRIMARILY BY MACHINE	8.2	5.5	6.2
PREPARATION SVCS FOR MARKET	26.6	25.3	20.1
COTTON GINNING	0.4	0.4	0.5
TOTAL FARM LABOR & MANAGEMENT	49.0	45.1	43.0
FARM LABOR CONTRACTORS	42.3	39.5	37.8
FARM MANAGEMENT SERVICES	6.7	5.6	5.2

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 1-C
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)
CALIFORNIA
(IN DOLLARS PER WEEK)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	263.87	232.21	246.89
TOTAL AGRICULTURAL PRODUCTION/CROPS	254.78	225.06	241.64
CASH GRAINS	309.34	317.29	273.41
RICE	330.93	374.01	322.38
OTHER CASH GRAINS	278.95	260.23	233.97
FIELD CROPS EXCEPT CASH GRAINS	277.20	257.42	259.17
COTTON	300.30	292.59	259.58
OTHER FIELD CROPS	252.77	221.14	258.52
VEGETABLES AND MELONS	259.97	259.86	271.83
TOTAL FRUITS AND TREE NUTS	222.16	179.80	208.15
BERRIES	153.32	126.39	177.00
GRAPES	248.12	183.86	206.01
TREE NUTS	254.88	216.34	237.69
CITRUS FRUITS	328.64	221.80	280.96
DECIDUOUS TREE FRUIT	223.65	170.24	217.93
OTHER FRUITS AND NUTS	223.18	208.38	199.04
TOTAL HORTICULTURAL SPECIALTIES	300.72	284.97	277.34
ORNAMENTAL FLORAL & NURSERY	297.91	278.30	270.47
FOOD CROPS GROWN UNDER COVER	324.48	327.55	331.89
GENERAL FARM PRIMARILY CROP	270.24	220.40	247.80
TOTAL AGRIC PRODUCTION/LIVESTOCK	352.27	354.27	337.01
BEEF CATTLE FEED LOTS	353.85	356.31	392.70
BEEF CATTLE EXCEPT FEED LOTS	315.32	339.86	303.89
DAIRY FARMS	381.35	378.96	357.45
CHICKEN EGGS	304.85	300.30	297.83
TURKEYS & TURKEY EGGS	353.62	352.50	371.48
OTHER LIVESTOCK	323.51	325.31	309.59
TOTAL AGRICULTURAL SERVICES	256.12	209.30	229.43
SOIL PREPARATION SERVICES	544.41	474.63	484.06
CROP SERVICES	291.07	248.08	254.41
PLANT CULTIVATE & PROTECTION	294.80	263.16	316.35
HARVEST PRIMARILY BY MACHINE	246.18	218.88	211.69
PREPARATION SVCS FOR MARKET	303.60	250.97	254.76
COTTON GINNING	391.96	350.37	383.15
TOTAL FARM LABOR & MANAGEMENT	225.75	177.93	207.95
FARM LABOR CONTRACTORS	214.00	171.08	204.75
FARM MANAGEMENT SERVICES	299.11	225.39	231.39

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 1-D
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)
CALIFORNIA
(IN HOURS PER WEEK)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	39.8	34.3	38.1
TOTAL AGRICULTURAL PRODUCTION/CROPS	39.5	34.1	38.6
CASH GRAINS	41.3	41.1	41.3
RICE	42.7	45.5	47.2
OTHER CASH GRAINS	39.4	36.6	36.5
FIELD CROPS EXCEPT CASH GRAINS	42.0	37.8	41.6
COTTON	42.9	39.7	41.4
OTHER FIELD CROPS	41.1	35.9	41.9
VEGETABLES AND MELONS	38.4	36.6	41.0
TOTAL FRUITS AND TREE NUTS	36.3	29.0	35.4
BERRIES	30.3	24.4	35.4
GRAPES	37.2	27.9	32.7
TREE NUTS	43.2	35.7	40.7
CITRUS FRUITS	39.5	28.4	38.7
DECIDUOUS TREE FRUIT	39.1	29.2	38.3
OTHER FRUITS AND NUTS	37.7	34.5	34.2
TOTAL HORTICULTURAL SPECIALTIES	43.9	41.3	42.8
ORNAMENTAL FLORAL & NURSERY	44.2	41.6	43.0
FOOD CROPS GROWN UNDER COVER	41.6	38.4	41.8
GENERAL FARM PRIMARILY CROP	43.1	34.6	38.3
TOTAL AGRIC PRODUCTION/LIVESTOCK	49.2	49.0	47.2
BEEF CATTLE FEED LOTS	52.5	53.5	56.1
BEEF CATTLE EXCEPT FEED LOTS	45.5	47.8	41.8
DAIRY FARMS	52.6	51.7	49.1
CHICKEN EGGS	46.9	46.2	47.2
TURKEYS & TURKEY EGGS	52.7	56.4	61.2
OTHER LIVESTOCK	42.4	41.6	41.5
TOTAL AGRICULTURAL SERVICES	38.0	30.6	34.5
SOIL PREPARATION SERVICES	49.9	46.9	50.9
CROP SERVICES	41.7	34.6	36.5
PLANT CULTIVATE & PROTECTION	40.0	34.4	43.1
HARVEST PRIMARILY BY MACHINE	39.2	32.0	29.9
PREPARATION SVCS FOR MARKET	42.7	35.1	37.3
COTTON GINNING	43.6	39.5	44.5
TOTAL FARM LABOR & MANAGEMENT	35.0	27.5	32.8
FARM LABOR CONTRACTORS	33.7	26.9	32.5
FARM MANAGEMENT SERVICES	43.1	31.7	34.9

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 1-E
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)
CALIFORNIA
(IN DOLLARS PER HOUR)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	6.63	6.77	6.48
TOTAL AGRICULTURAL PRODUCTION/CROPS	6.45	6.60	6.26
CASH GRAINS	7.49	7.72	6.62
RICE	7.75	8.22	6.83
OTHER CASH GRAINS	7.08	7.11	6.41
FIELD CROPS EXCEPT CASH GRAINS	6.60	6.81	6.23
COTTON	7.00	7.37	6.27
OTHER FIELD CROPS	6.15	6.16	6.17
VEGETABLES AND MELONS	6.77	7.10	6.63
TOTAL FRUITS AND TREE NUTS	6.12	6.20	5.88
BERRIES	5.06	5.18	5.00
GRAPES	6.67	6.59	6.30
TREE NUTS	5.90	6.06	5.84
CITRUS FRUITS	8.32	7.81	7.26
DECIDUOUS TREE FRUIT	5.72	5.83	5.69
OTHER FRUITS AND NUTS	5.92	6.04	5.82
TOTAL HORTICULTURAL SPECIALTIES	6.85	6.90	6.48
ORNAMENTAL FLORAL & NURSERY	6.74	6.69	6.29
FOOD CROPS GROWN UNDER COVER	7.80	8.53	7.94
GENERAL FARM PRIMARILY CROP	6.27	6.37	6.47
TOTAL AGRIC PRODUCTION/LIVESTOCK	7.16	7.23	7.14
BEEF CATTLE FEED LOTS	6.74	6.66	7.00
BEEF CATTLE EXCEPT FEED LOTS	6.93	7.11	7.27
DAIRY FARMS	7.25	7.33	7.28
CHICKEN EGGS	6.50	6.50	6.31
TURKEYS & TURKEY EGGS	6.71	6.25	6.07
OTHER LIVESTOCK	7.63	7.82	7.46
TOTAL AGRICULTURAL SERVICES	6.74	6.84	6.65
SOIL PREPARATION SERVICES	10.91	10.12	9.51
CROP SERVICES	6.98	7.17	6.97
PLANT CULTIVATE & PROTECTION	7.37	7.65	7.34
HARVEST PRIMARILY BY MACHINE	6.28	6.84	7.08
PREPARATION SVCS FOR MARKET	7.11	7.15	6.83
COTTON GINNING	8.99	8.87	8.61
TOTAL FARM LABOR & MANAGEMENT	6.45	6.47	6.34
FARM LABOR CONTRACTORS	6.35	6.36	6.30
FARM MANAGEMENT SERVICES	6.94	7.11	6.63

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

TABLE 2-A
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)
SAN JOAQUIN VALLEY REGION
(IN THOUSANDS)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	99.5	101.8	92.9
TOTAL AGRICULTURAL PRODUCTION/CROPS	47.2	48.2	48.9
TOTAL FIELD CROPS	6.7	5.8	7.1
COTTON	4.1	3.6	4.6
OTHER FIELD CROPS	2.6	2.2	2.5
VEGETABLES AND MELONS	4.7	2.3	5.1
TOTAL FRUITS AND TREE NUTS	21.8	26.0	23.0
GRAPES	8.2	11.8	10.8
TREE NUTS	3.7	3.8	3.3
CITRUS FRUITS	2.7	2.7	1.9
DECIDUOUS TREE FRUIT	4.2	4.6	3.6
OTHER FRUITS AND NUTS	3.0	3.1	3.4
HORTICULTURAL SPECIALTIES	3.0	3.1	3.0
GENERAL FARM PRIMARILY CROP	11.0	11.0	10.7
TOTAL AGRIC PRODUCTION/LIVESTOCK	13.2	13.0	13.3
BEEF CATTLE FEED LOTS	0.2	0.3	0.3
BEEF CATTLE EXCEPT FEED LOTS	1.3	1.2	1.4
DAIRY FARMS	7.9	7.7	7.8
POULTRY & EGGS	2.4	2.5	2.5
OTHER LIVESTOCK	1.4	1.3	1.3
TOTAL AGRICULTURAL SERVICES	39.1	40.6	30.7
CROP SERVICES	16.5	16.4	12.5
PLANT CULTIVATE & PROTECTION	1.9	1.9	2.6
HARVEST PRIMARILY BY MACHINE	1.1	0.9	1.5
PREPARATION SVCS FOR MARKET	12.9	13.0	7.8
COTTON GINNING	0.6	0.6	0.6
TOTAL FARM LABOR & MANAGEMENT	22.6	24.2	18.2
FARM LABOR CONTRACTORS	19.4	21.2	16.1
FARM MANAGEMENT SERVICES	3.2	3.0	2.1

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 2-B
AGRICULTURAL PRODUCTION WORKERS (1)
SAN JOAQUIN VALLEY REGION
(IN THOUSANDS)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	90.0	92.2	81.1
TOTAL AGRICULTURAL PRODUCTION/CROPS	42.2	43.2	42.5
TOTAL FIELD CROPS	5.8	5.0	6.2
COTTON	3.6	3.1	4.1
OTHER FIELD CROPS	2.2	1.9	2.1
VEGETABLES AND MELONS	4.3	2.0	4.8
TOTAL FRUITS AND TREE NUTS	19.9	24.1	20.7
GRAPES	7.7	11.4	9.7
TREE NUTS	3.2	3.4	2.9
CITRUS FRUITS	2.6	2.5	1.8
DECIDUOUS TREE FRUIT	3.6	4.0	3.1
OTHER FRUITS AND NUTS	2.8	2.8	3.2
HORTICULTURAL SPECIALTIES	2.3	2.2	2.2
GENERAL FARM PRIMARILY CROP	9.9	9.9	8.6
TOTAL AGRIC PRODUCTION/LIVESTOCK	11.7	11.7	12.1
BEEF CATTLE FEED LOTS	0.2	0.2	0.2
BEEF CATTLE EXCEPT FEED LOTS	1.0	1.0	1.2
DAIRY FARMS	7.2	7.1	7.3
POULTRY & EGGS	2.1	2.2	2.2
OTHER LIVESTOCK	1.2	1.2	1.2
TOTAL AGRICULTURAL SERVICES	36.1	37.3	26.5
CROP SERVICES	14.2	13.9	9.2
PLANT CULTIVATE & PROTECTION	1.6	1.5	1.8
HARVEST PRIMARILY BY MACHINE	0.9	0.7	1.3
PREPARATION SVCS FOR MARKET	11.3	11.3	5.7
COTTON GINNING	0.4	0.4	0.4
TOTAL FARM LABOR & MANAGEMENT	21.9	23.4	17.3
FARM LABOR CONTRACTORS	19.1	20.9	15.5
FARM MANAGEMENT SERVICES	2.8	2.5	1.8

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 2-C
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)
SAN JOAQUIN VALLEY REGION
(IN DOLLARS PER WEEK)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	262.14	210.26	251.91
TOTAL AGRICULTURAL PRODUCTION/CROPS	252.98	198.35	229.52
TOTAL FIELD CROPS	286.70	270.02	257.09
COTTON	299.33	292.43	251.91
OTHER FIELD CROPS	266.90	234.32	266.70
VEGETABLES AND MELONS	186.88	195.78	241.59
TOTAL FRUITS AND TREE NUTS	258.95	178.51	221.18
GRAPES	268.52	177.28	210.33
TREE NUTS	254.82	216.36	257.14
CITRUS FRUITS	302.28	150.43	205.61
DECIDUOUS TREE FRUIT	225.94	166.18	233.38
OTHER FRUITS AND NUTS	243.32	180.52	218.20
HORTICULTURAL SPECIALTIES	299.91	263.71	253.88
GENERAL FARM PRIMARILY CROP	237.93	196.82	215.14
TOTAL AGRIC PRODUCTION/LIVESTOCK	357.04	353.93	335.08
BEEF CATTLE FEED LOTS	391.02	377.46	440.86
BEEF CATTLE EXCEPT FEED LOTS	365.58	343.36	315.09
DAIRY FARMS	367.50	370.43	344.47
POULTRY & EGGS	336.99	326.24	295.91
OTHER LIVESTOCK	316.20	310.25	353.06
TOTAL AGRICULTURAL SERVICES	242.25	179.99	251.29
CROP SERVICES	300.14	220.77	290.22
PLANT CULTIVATE & PROTECTION	294.75	269.62	335.43
HARVEST PRIMARILY BY MACHINE	354.29	324.80	350.46
PREPARATION SVCS FOR MARKET	293.57	203.17	251.74
COTTON GINNING	388.95	345.84	435.20
TOTAL FARM LABOR & MANAGEMENT	204.42	155.81	229.90
FARM LABOR CONTRACTORS	188.16	147.35	227.18
FARM MANAGEMENT SERVICES	316.58	221.29	251.55

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 2-D
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)
SAN JOAQUIN VALLEY REGION
(IN HOURS PER WEEK)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	39.9	32.1	39.3
TOTAL AGRICULTURAL PRODUCTION/CROPS	39.1	30.8	37.2
TOTAL FIELD CROPS	42.6	38.3	41.2
COTTON	42.7	39.2	40.5
OTHER FIELD CROPS	42.5	36.9	42.4
VEGETABLES AND MELONS	29.9	30.4	40.4
TOTAL FRUITS AND TREE NUTS	39.9	28.2	36.2
GRAPES	40.5	27.7	34.2
TREE NUTS	45.1	36.0	43.0
CITRUS FRUITS	33.0	18.3	29.0
DECIDUOUS TREE FRUIT	39.5	28.9	41.9
OTHER FRUITS AND NUTS	39.5	28.7	34.8
HORTICULTURAL SPECIALTIES	42.3	37.3	37.5
GENERAL FARM PRIMARILY CROP	38.5	31.9	34.7
TOTAL AGRIC PRODUCTION/LIVESTOCK	50.5	49.5	47.8
BEEF CATTLE FEED LOTS	53.2	54.0	63.8
BEEF CATTLE EXCEPT FEED LOTS	52.3	46.4	41.9
DAIRY FARMS	52.5	52.1	49.0
POULTRY & EGGS	46.1	45.5	44.1
OTHER LIVESTOCK	44.1	42.5	50.8
TOTAL AGRICULTURAL SERVICES	37.5	28.3	38.9
CROP SERVICES	43.0	33.0	42.0
PLANT CULTIVATE & PROTECTION	37.5	32.8	38.6
HARVEST PRIMARILY BY MACHINE	48.4	40.6	49.5
PREPARATION SVCS FOR MARKET	43.3	32.3	40.8
COTTON GINNING	43.9	39.3	50.9
TOTAL FARM LABOR & MANAGEMENT	33.9	25.5	37.2
FARM LABOR CONTRACTORS	32.0	24.6	37.0
FARM MANAGEMENT SERVICES	46.9	32.4	38.7

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 2-E
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)
SAN JOAQUIN VALLEY REGION
(IN DOLLARS PER HOUR)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	6.57	6.55	6.41
TOTAL AGRICULTURAL PRODUCTION/CROPS	6.47	6.44	6.17
TOTAL FIELD CROPS	6.73	7.05	6.24
COTTON	7.01	7.46	6.22
OTHER FIELD CROPS	6.28	6.35	6.29
VEGETABLES AND MELONS	6.25	6.44	5.98
TOTAL FRUITS AND TREE NUTS	6.49	6.33	6.11
GRAPES	6.63	6.40	6.15
TREE NUTS	5.65	6.01	5.98
CITRUS FRUITS	9.16	8.22	7.09
DECIDUOUS TREE FRUIT	5.72	5.75	5.57
OTHER FRUITS AND NUTS	6.16	6.29	6.27
HORTICULTURAL SPECIALTIES	7.09	7.07	6.77
GENERAL FARM PRIMARILY CROP	6.18	6.17	6.20
TOTAL AGRIC PRODUCTION/LIVESTOCK	7.07	7.15	7.01
BEEF CATTLE FEED LOTS	7.35	6.99	6.91
BEEF CATTLE EXCEPT FEED LOTS	6.99	7.40	7.52
DAIRY FARMS	7.00	7.11	7.03
POULTRY & EGGS	7.31	7.17	6.71
OTHER LIVESTOCK	7.17	7.30	6.95
TOTAL AGRICULTURAL SERVICES	6.46	6.36	6.46
CROP SERVICES	6.98	6.69	6.91
PLANT CULTIVATE & PROTECTION	7.86	8.22	8.69
HARVEST PRIMARILY BY MACHINE	7.32	8.00	7.08
PREPARATION SVCS FOR MARKET	6.78	6.29	6.17
COTTON GINNING	8.86	8.80	8.55
TOTAL FARM LABOR & MANAGEMENT	6.03	6.11	6.18
FARM LABOR CONTRACTORS	5.88	5.99	6.14
FARM MANAGEMENT SERVICES	6.75	6.83	6.50

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

TABLE 3-A
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)
SOUTH COAST REGION
(IN THOUSANDS)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	61.7	49.1	54.6
TOTAL AGRICULTURAL PRODUCTION/CROPS	44.0	36.3	40.0
VEGETABLES AND MELONS	7.8	6.7	8.1
TOTAL FRUITS AND TREE NUTS	18.3	13.1	14.3
BERRIES	13.9	8.6	10.4
GRAPES	0.8	1.1	0.6
CITRUS FRUITS	1.6	1.6	1.6
OTHER FRUITS AND NUTS	2.0	1.8	1.7
TOTAL HORTICULTURAL SPECIALTIES	14.9	14.2	14.9
ORNAMENTAL FLORAL & NURSERY	14.0	13.3	14.1
FOOD CROPS GROWN UNDER COVER	0.9	0.9	0.8
GENERAL FARM PRIMARILY CROP	3.0	2.3	2.7
TOTAL AGRIC PRODUCTION/LIVESTOCK	2.6	2.5	2.7
TOTAL AGRICULTURAL SERVICES	15.1	10.3	11.9
CROP SERVICES	4.1	3.6	4.0
HARVEST PRIMARILY BY MACHINE	2.0	1.6	1.6
PREPARATION SVCS FOR MARKET	2.1	2.0	2.4
TOTAL FARM LABOR & MANAGEMENT	11.0	6.7	7.9
FARM LABOR CONTRACTORS	9.9	5.7	6.7
FARM MANAGEMENT SERVICES	1.1	1.0	1.2

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 3-B
AGRICULTURAL PRODUCTION WORKERS (1)
SOUTH COAST REGION
(IN THOUSANDS)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	55.7	43.2	48.0
TOTAL AGRICULTURAL PRODUCTION/CROPS	39.2	31.8	35.2
VEGETABLES AND MELONS	7.0	6.0	6.8
TOTAL FRUITS AND TREE NUTS	17.7	12.4	13.7
BERRIES	13.7	8.4	10.2
GRAPES	0.8	1.0	0.5
CITRUS FRUITS	1.3	1.3	1.4
OTHER FRUITS AND NUTS	1.9	1.7	1.6
TOTAL HORTICULTURAL SPECIALTIES	12.1	11.4	12.2
ORNAMENTAL FLORAL & NURSERY	11.4	10.7	11.5
FOOD CROPS GROWN UNDER COVER	0.7	0.7	0.7
GENERAL FARM PRIMARILY CROP	2.4	2.0	2.5
TOTAL AGRIC PRODUCTION/LIVESTOCK	2.1	2.0	2.0
TOTAL AGRICULTURAL SERVICES	14.4	9.4	10.8
CROP SERVICES	3.8	3.2	3.5
HARVEST PRIMARILY BY MACHINE	1.9	1.5	1.5
PREPARATION SVCS FOR MARKET	1.9	1.7	2.0
TOTAL FARM LABOR & MANAGEMENT	10.6	6.2	7.3
FARM LABOR CONTRACTORS	9.6	5.4	6.3
FARM MANAGEMENT SERVICES	1.0	0.8	1.0

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 3-C
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)
SOUTH COAST REGION
(IN DOLLARS PER WEEK)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	257.68	239.27	241.02
TOTAL AGRICULTURAL PRODUCTION/CROPS	246.76	230.45	240.47
VEGETABLES AND MELONS	280.09	279.05	286.21
TOTAL FRUITS AND TREE NUTS	188.65	170.89	192.36
BERRIES	161.92	136.92	173.02
GRAPES	344.85	221.33	258.71
CITRUS FRUITS	296.72	231.13	247.09
OTHER FRUITS AND NUTS	243.21	262.91	248.30
TOTAL HORTICULTURAL SPECIALTIES	303.24	267.55	265.98
ORNAMENTAL FLORAL & NURSERY	298.88	263.81	264.56
FOOD CROPS GROWN UNDER COVER	367.60	319.62	291.42
GENERAL FARM PRIMARILY CROP	293.26	235.97	255.35
TOTAL AGRIC PRODUCTION/LIVESTOCK	297.02	316.65	280.16
TOTAL AGRICULTURAL SERVICES	283.06	252.08	234.56
CROP SERVICES	303.73	289.19	291.45
HARVEST PRIMARILY BY MACHINE	274.52	277.75	220.18
PREPARATION SVCS FOR MARKET	333.15	297.64	344.54
TOTAL FARM LABOR & MANAGEMENT	275.59	232.36	207.40
FARM LABOR CONTRACTORS	286.34	234.35	206.70
FARM MANAGEMENT SERVICES	170.63	219.12	209.19

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 3-D
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)
SOUTH COAST REGION
(IN HOURS PER WEEK)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	39.4	35.5	37.6
TOTAL AGRICULTURAL PRODUCTION/CROPS	39.8	35.4	39.1
VEGETABLES AND MELONS	40.3	36.1	39.1
TOTAL FRUITS AND TREE NUTS	35.0	30.3	36.5
BERRIES	32.0	26.9	35.6
GRAPES	57.0	31.8	41.0
CITRUS FRUITS	45.3	34.6	35.4
OTHER FRUITS AND NUTS	40.4	43.1	42.3
TOTAL HORTICULTURAL SPECIALTIES	45.6	40.6	42.9
ORNAMENTAL FLORAL & NURSERY	45.7	40.9	43.3
FOOD CROPS GROWN UNDER COVER	43.4	35.2	34.9
GENERAL FARM PRIMARILY CROP	44.5	34.6	34.6
TOTAL AGRIC PRODUCTION/LIVESTOCK	41.6	45.3	44.4
TOTAL AGRICULTURAL SERVICES	38.2	33.7	31.4
CROP SERVICES	39.6	34.8	33.5
HARVEST PRIMARILY BY MACHINE	37.4	35.7	26.4
PREPARATION SVCS FOR MARKET	41.8	33.9	38.8
TOTAL FARM LABOR & MANAGEMENT	37.7	33.1	30.5
FARM LABOR CONTRACTORS	38.8	33.1	30.0
FARM MANAGEMENT SERVICES	27.3	33.0	33.1

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 3-E
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)
SOUTH COAST REGION
(IN DOLLARS PER HOUR)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	6.54	6.74	6.41
TOTAL AGRICULTURAL PRODUCTION/CROPS	6.20	6.51	6.15
VEGETABLES AND MELONS	6.95	7.73	7.32
TOTAL FRUITS AND TREE NUTS	5.39	5.64	5.27
BERRIES	5.06	5.09	4.86
GRAPES	6.05	6.96	6.31
CITRUS FRUITS	6.55	6.68	6.98
OTHER FRUITS AND NUTS	6.02	6.10	5.87
TOTAL HORTICULTURAL SPECIALTIES	6.65	6.59	6.20
ORNAMENTAL FLORAL & NURSERY	6.54	6.45	6.11
FOOD CROPS GROWN UNDER COVER	8.47	9.08	8.35
GENERAL FARM PRIMARILY CROP	6.59	6.82	7.38
TOTAL AGRIC PRODUCTION/LIVESTOCK	7.14	6.99	6.31
TOTAL AGRICULTURAL SERVICES	7.41	7.48	7.47
CROP SERVICES	7.67	8.31	8.70
HARVEST PRIMARILY BY MACHINE	7.34	7.78	8.34
PREPARATION SVCS FOR MARKET	7.97	8.78	8.88
TOTAL FARM LABOR & MANAGEMENT	7.31	7.02	6.80
FARM LABOR CONTRACTORS	7.38	7.08	6.89
FARM MANAGEMENT SERVICES	6.25	6.64	6.32

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

TABLE 4-A
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)
CENTRAL COAST REGION
(IN THOUSANDS)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	41.0	34.6	37.0
TOTAL AGRICULTURAL PRODUCTION/CROPS	23.4	19.3	21.5
VEGETABLES AND MELONS	8.0	5.3	6.2
TOTAL FRUITS AND TREE NUTS	3.7	2.8	4.5
BERRIES	2.1	1.0	2.7
GRAPES	0.5	0.6	0.8
DECIDUOUS TREE FRUIT	0.4	0.5	0.6
OTHER FRUITS AND NUTS	0.7	0.7	0.4
TOTAL HORTICULTURAL SPECIALTIES	8.8	9.0	8.9
ORNAMENTAL FLORAL & NURSERY	6.7	6.9	6.9
FOOD CROPS GROWN UNDER COVER	2.1	2.1	2.0
GENERAL FARM PRIMARILY CROP	2.9	2.2	1.9
TOTAL AGRIC PRODUCTION/LIVESTOCK	1.2	1.1	1.2
TOTAL AGRICULTURAL SERVICES	16.4	14.2	14.3
CROP SERVICES	10.1	9.6	8.6
HARVEST PRIMARILY BY MACHINE	3.1	2.5	3.2
PREPARATION SVCS FOR MARKET	7.0	7.1	5.4
TOTAL FARM LABOR & MANAGEMENT	6.3	4.6	5.7
FARM LABOR CONTRACTORS	5.7	4.2	5.1
FARM MANAGEMENT SERVICES	0.6	0.4	0.6

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 4-B
AGRICULTURAL PRODUCTION WORKERS (1)
CENTRAL COAST REGION
(IN THOUSANDS)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	36.4	30.0	32.7
TOTAL AGRICULTURAL PRODUCTION/CROPS	20.3	16.0	18.5
VEGETABLES AND MELONS	7.1	4.3	5.4
TOTAL FRUITS AND TREE NUTS	3.3	2.3	4.1
BERRIES	1.9	0.8	2.6
GRAPES	0.4	0.5	0.6
DECIDUOUS TREE FRUIT	0.3	0.4	0.5
OTHER FRUITS AND NUTS	0.7	0.6	0.4
TOTAL HORTICULTURAL SPECIALTIES	7.1	7.4	7.3
ORNAMENTAL FLORAL & NURSERY	5.3	5.5	5.5
FOOD CROPS GROWN UNDER COVER	1.8	1.9	1.8
GENERAL FARM PRIMARILY CROP	2.8	2.0	1.7
TOTAL AGRIC PRODUCTION/LIVESTOCK	0.9	0.9	0.9
TOTAL AGRICULTURAL SERVICES	15.2	13.1	13.3
CROP SERVICES	9.2	8.6	7.8
HARVEST PRIMARILY BY MACHINE	2.8	2.2	2.9
PREPARATION SVCS FOR MARKET	6.4	6.4	4.9
TOTAL FARM LABOR & MANAGEMENT	6.0	4.5	5.5
FARM LABOR CONTRACTORS	5.6	4.2	5.0
FARM MANAGEMENT SERVICES	0.4	0.3	0.5

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 4-C
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)
CENTRAL COAST REGION
(IN DOLLARS PER WEEK)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	304.62	280.60	275.09
TOTAL AGRICULTURAL PRODUCTION/CROPS	300.62	282.21	285.48
VEGETABLES AND MELONS	271.96	236.91	287.95
TOTAL FRUITS AND TREE NUTS	282.24	216.46	242.94
BERRIES	245.46	229.59	208.83
GRAPES	289.08	168.66	295.10
DECIDUOUS TREE FRUIT	240.54	169.33	186.29
OTHER FRUITS AND NUTS	402.48	266.22	443.85
TOTAL HORTICULTURAL SPECIALTIES	322.93	336.36	320.11
ORNAMENTAL FLORAL & NURSERY	314.92	325.58	289.95
FOOD CROPS GROWN UNDER COVER	347.62	369.44	413.00
GENERAL FARM PRIMARILY CROP	340.56	259.50	234.15
TOTAL AGRIC PRODUCTION/LIVESTOCK	338.34	352.23	323.76
TOTAL AGRICULTURAL SERVICES	307.50	273.57	257.07
CROP SERVICES	332.69	282.10	292.47
HARVEST PRIMARILY BY MACHINE	297.79	236.98	250.83
PREPARATION SVCS FOR MARKET	347.71	297.71	316.16
TOTAL FARM LABOR & MANAGEMENT	268.32	257.25	207.70
FARM LABOR CONTRACTORS	260.19	256.08	209.12
FARM MANAGEMENT SERVICES	374.91	275.87	191.81

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 4-D
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)
CENTRAL COAST REGION
(IN HOURS PER WEEK)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	40.4	36.3	38.8
TOTAL AGRICULTURAL PRODUCTION/CROPS	42.4	38.5	42.8
VEGETABLES AND MELONS	39.3	33.7	44.3
TOTAL FRUITS AND TREE NUTS	39.2	28.9	38.5
BERRIES	38.9	30.9	37.9
GRAPES	36.0	22.7	35.9
DECIDUOUS TREE FRUIT	38.0	29.5	31.1
OTHER FRUITS AND NUTS	42.5	30.6	53.8
TOTAL HORTICULTURAL SPECIALTIES	43.0	44.2	45.6
ORNAMENTAL FLORAL & NURSERY	43.8	45.6	44.2
FOOD CROPS GROWN UNDER COVER	40.8	40.2	50.0
GENERAL FARM PRIMARILY CROP	52.8	39.2	36.7
TOTAL AGRIC PRODUCTION/LIVESTOCK	43.6	45.1	42.6
TOTAL AGRICULTURAL SERVICES	37.5	33.0	33.0
CROP SERVICES	41.9	35.0	37.4
HARVEST PRIMARILY BY MACHINE	43.6	34.0	36.3
PREPARATION SVCS FOR MARKET	41.1	35.4	38.0
TOTAL FARM LABOR & MANAGEMENT	30.7	29.2	26.8
FARM LABOR CONTRACTORS	29.5	29.2	27.3
FARM MANAGEMENT SERVICES	46.4	29.1	21.6

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 4-E
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)
CENTRAL COAST REGION
(IN DOLLARS PER HOUR)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	7.54	7.73	7.09
TOTAL AGRICULTURAL PRODUCTION/CROPS	7.09	7.33	6.67
VEGETABLES AND MELONS	6.92	7.03	6.50
TOTAL FRUITS AND TREE NUTS	7.20	7.49	6.31
BERRIES	6.31	7.43	5.51
GRAPES	8.03	7.43	8.22
DECIDUOUS TREE FRUIT	6.33	5.74	5.99
OTHER FRUITS AND NUTS	9.47	8.70	8.25
TOTAL HORTICULTURAL SPECIALTIES	7.51	7.61	7.02
ORNAMENTAL FLORAL & NURSERY	7.19	7.14	6.56
FOOD CROPS GROWN UNDER COVER	8.52	9.19	8.26
GENERAL FARM PRIMARILY CROP	6.45	6.62	6.38
TOTAL AGRIC PRODUCTION/LIVESTOCK	7.76	7.81	7.60
TOTAL AGRICULTURAL SERVICES	8.20	8.29	7.79
CROP SERVICES	7.94	8.06	7.82
HARVEST PRIMARILY BY MACHINE	6.83	6.97	6.91
PREPARATION SVCS FOR MARKET	8.46	8.41	8.32
TOTAL FARM LABOR & MANAGEMENT	8.74	8.81	7.75
FARM LABOR CONTRACTORS	8.82	8.77	7.66
FARM MANAGEMENT SERVICES	8.08	9.48	8.88

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

TABLE 5-A
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)
DESERT REGION
(IN THOUSANDS)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	34.6	30.6	36.7
TOTAL AGRICULTURAL PRODUCTION/CROPS	12.5	11.6	14.3
FIELD CROPS	1.5	1.4	1.5
VEGETABLES AND MELONS	2.6	4.3	3.3
TOTAL FRUITS AND TREE NUTS	4.6	1.7	5.5
GRAPES	2.1	0.5	2.9
CITRUS FRUITS	0.5	0.4	0.8
OTHER FRUITS AND NUTS	2.0	0.8	1.8
HORTICULTURAL SPECIALTIES	0.9	0.9	1.0
GENERAL FARM PRIMARILY CROP	2.9	3.3	3.0
TOTAL AGRIC PRODUCTION/LIVESTOCK	5.0	4.9	5.1
DAIRY FARMS	2.3	2.2	2.4
CHICKEN EGGS	1.2	1.2	1.2
OTHER LIVESTOCK	1.5	1.5	1.5
TOTAL AGRICULTURAL SERVICES	17.1	14.1	17.3
CROP SERVICES	10.0	7.5	7.2
PLANT CULTIVATE & PROTECTION	1.0	0.7	0.7
HARVEST PRIMARILY BY MACHINE	2.2	1.1	1.3
PREPARATION SVCS FOR MARKET	6.8	5.7	5.2
TOTAL FARM LABOR & MANAGEMENT	7.1	6.6	10.1

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 5-B
AGRICULTURAL PRODUCTION WORKERS (1)
DESERT REGION
(IN THOUSANDS)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	31.9	28.0	33.4
TOTAL AGRICULTURAL PRODUCTION/CROPS	11.3	10.2	12.8
FIELD CROPS	1.3	1.2	1.2
VEGETABLES AND MELONS	2.3	3.9	3.2
TOTAL FRUITS AND TREE NUTS	4.3	1.4	5.0
GRAPES	2.0	0.4	2.6
CITRUS FRUITS	0.4	0.3	0.7
OTHER FRUITS AND NUTS	1.9	0.7	1.7
HORTICULTURAL SPECIALTIES	0.7	0.7	0.8
GENERAL FARM PRIMARILY CROP	2.7	3.0	2.6
TOTAL AGRIC PRODUCTION/LIVESTOCK	4.4	4.3	4.4
DAIRY FARMS	2.2	2.1	2.3
CHICKEN EGGS	0.9	0.9	0.9
OTHER LIVESTOCK	1.3	1.3	1.2
TOTAL AGRICULTURAL SERVICES	16.2	13.5	16.2
CROP SERVICES	9.2	7.0	6.5
PLANT CULTIVATE & PROTECTION	0.8	0.5	0.6
HARVEST PRIMARILY BY MACHINE	2.1	1.1	1.1
PREPARATION SVCS FOR MARKET	6.3	5.4	4.8
TOTAL FARM LABOR & MANAGEMENT	7.0	6.5	9.7

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 5-C
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)
DESERT REGION
(IN DOLLARS PER WEEK)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	252.65	243.72	228.60
TOTAL AGRICULTURAL PRODUCTION/CROPS	230.43	246.56	238.68
FIELD CROPS	245.30	211.06	293.94
VEGETABLES AND MELONS	218.89	271.42	240.44
TOTAL FRUITS AND TREE NUTS	203.32	238.90	182.17
GRAPES	182.21	217.86	162.45
CITRUS FRUITS	285.60	271.54	264.80
OTHER FRUITS AND NUTS	205.80	237.23	177.52
HORTICULTURAL SPECIALTIES	308.35	267.75	282.07
GENERAL FARM PRIMARILY CROP	256.58	227.39	307.74
TOTAL AGRIC PRODUCTION/LIVESTOCK	400.27	413.82	405.50
DAIRY FARMS	494.33	521.85	483.11
CHICKEN EGGS	287.37	287.04	283.82
OTHER LIVESTOCK	319.72	328.53	343.00
TOTAL AGRICULTURAL SERVICES	228.22	187.47	173.42
CROP SERVICES	253.38	238.06	221.29
PLANT CULTIVATE & PROTECTION	269.45	262.70	293.32
HARVEST PRIMARILY BY MACHINE	209.87	146.37	132.69
PREPARATION SVCS FOR MARKET	266.13	254.31	233.13
TOTAL FARM LABOR & MANAGEMENT	194.62	133.40	140.03

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 5-D
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)
DESERT REGION
(IN HOURS PER WEEK)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	39.6	36.0	36.0
TOTAL AGRICULTURAL PRODUCTION/CROPS	37.9	37.7	39.0
FIELD CROPS	39.5	34.6	46.0
VEGETABLES AND MELONS	38.2	41.0	41.1
TOTAL FRUITS AND TREE NUTS	34.0	37.8	31.3
GRAPES	31.2	36.8	28.6
CITRUS FRUITS	40.8	37.3	40.0
OTHER FRUITS AND NUTS	35.3	38.7	31.7
HORTICULTURAL SPECIALTIES	41.5	35.7	42.1
GENERAL FARM PRIMARILY CROP	42.2	35.2	47.2
TOTAL AGRIC PRODUCTION/LIVESTOCK	49.6	50.9	50.0
DAIRY FARMS	50.7	52.5	50.8
CHICKEN EGGS	46.5	46.0	47.7
OTHER LIVESTOCK	49.8	51.9	50.0
TOTAL AGRICULTURAL SERVICES	38.1	29.9	29.9
CROP SERVICES	42.8	36.4	36.1
PLANT CULTIVATE & PROTECTION	43.6	41.5	52.1
HARVEST PRIMARILY BY MACHINE	39.9	24.6	22.3
PREPARATION SVCS FOR MARKET	43.7	38.3	37.3
TOTAL FARM LABOR & MANAGEMENT	31.8	23.0	25.6

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 5-E
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)
DESERT REGION
(IN DOLLARS PER HOUR)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	6.38	6.77	6.35
TOTAL AGRICULTURAL PRODUCTION/CROPS	6.08	6.54	6.12
FIELD CROPS	6.21	6.10	6.39
VEGETABLES AND MELONS	5.73	6.62	5.85
TOTAL FRUITS AND TREE NUTS	5.98	6.32	5.82
GRAPES	5.84	5.92	5.68
CITRUS FRUITS	7.00	7.28	6.62
OTHER FRUITS AND NUTS	5.83	6.13	5.60
HORTICULTURAL SPECIALTIES	7.43	7.50	6.70
GENERAL FARM PRIMARILY CROP	6.08	6.46	6.52
TOTAL AGRIC PRODUCTION/LIVESTOCK	8.07	8.13	8.11
DAIRY FARMS	9.75	9.94	9.51
CHICKEN EGGS	6.18	6.24	5.95
OTHER LIVESTOCK	6.42	6.33	6.86
TOTAL AGRICULTURAL SERVICES	5.99	6.27	5.80
CROP SERVICES	5.92	6.54	6.13
PLANT CULTIVATE & PROTECTION	6.18	6.33	5.63
HARVEST PRIMARILY BY MACHINE	5.26	5.95	5.95
PREPARATION SVCS FOR MARKET	6.09	6.64	6.25
TOTAL FARM LABOR & MANAGEMENT	6.12	5.80	5.47

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

TABLE 6-A
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)
SACRAMENTO VALLEY REGION
(IN THOUSANDS)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	20.6	18.8	17.7
TOTAL AGRICULTURAL PRODUCTION/CROPS	13.5	12.5	12.2
RICE	0.8	0.7	0.9
VEGETABLES AND MELONS	1.2	0.8	0.8
TOTAL FRUIT AND TREE NUTS	6.1	6.4	5.1
TREE NUTS	1.7	1.6	1.5
DECIDUOUS TREE FRUIT	2.6	2.8	1.9
OTHER FRUITS AND NUTS	1.8	2.0	1.7
HORTICULTURAL SPECIALTIES	1.6	1.3	1.4
GENERAL FARM PRIMARILY CROP	3.8	3.3	4.0
TOTAL AGRIC PRODUCTION/LIVESTOCK	2.1	2.1	2.0
TOTAL AGRICULTURAL SERVICES	5.0	4.2	3.5
CROP SERVICES	2.2	1.9	2.1
HARVEST PRIMARILY BY MACHINE	1.0	0.9	0.9
PREPARATION SVCS FOR MARKET	1.2	1.0	1.2
TOTAL FARM LABOR & MANAGEMENT	2.8	2.3	1.4

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 6-B
AGRICULTURAL PRODUCTION WORKERS (1)
SACRAMENTO VALLEY REGION
(IN THOUSANDS)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	18.1	16.3	15.4
TOTAL AGRICULTURAL PRODUCTION/CROPS	11.8	10.8	10.6
RICE	0.7	0.6	0.7
VEGETABLES AND MELONS	1.1	0.6	0.7
TOTAL FRUIT AND TREE NUTS	5.6	5.8	4.6
TREE NUTS	1.5	1.3	1.4
DECIDUOUS TREE FRUIT	2.4	2.6	1.7
OTHER FRUITS AND NUTS	1.7	1.9	1.5
HORTICULTURAL SPECIALTIES	1.2	1.0	1.2
GENERAL FARM PRIMARILY CROP	3.2	2.8	3.4
TOTAL AGRIC PRODUCTION/LIVESTOCK	1.8	1.8	1.8
TOTAL AGRICULTURAL SERVICES	4.5	3.7	3.0
CROP SERVICES	1.8	1.5	1.7
HARVEST PRIMARILY BY MACHINE	0.8	0.7	0.7
PREPARATION SVCS FOR MARKET	1.0	0.8	1.0
TOTAL FARM LABOR & MANAGEMENT	2.7	2.2	1.3

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 6-C
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)
SACRAMENTO VALLEY REGION
(IN DOLLARS PER WEEK)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	281.36	264.26	244.46
TOTAL AGRICULTURAL PRODUCTION/CROPS	260.58	229.84	232.99
RICE	344.86	409.86	350.30
VEGETABLES AND MELONS	307.69	354.22	283.12
TOTAL FRUIT AND TREE NUTS	224.23	189.66	205.49
TREE NUTS	251.70	209.22	204.93
DECIDUOUS TREE FRUIT	215.28	184.54	212.29
OTHER FRUITS AND NUTS	212.77	182.79	197.82
HORTICULTURAL SPECIALTIES	258.05	256.47	259.01
GENERAL FARM PRIMARILY CROP	290.44	242.94	226.41
TOTAL AGRIC PRODUCTION/LIVESTOCK	417.62	395.01	316.65
TOTAL AGRICULTURAL SERVICES	282.63	300.33	243.02
CROP SERVICES	293.45	328.41	258.91
HARVEST PRIMARILY BY MACHINE	373.94	318.10	267.32
PREPARATION SVCS FOR MARKET	230.44	337.26	252.75
TOTAL FARM LABOR & MANAGEMENT	275.16	281.74	220.93

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 6-D
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)
SACRAMENTO VALLEY REGION
(IN HOURS PER WEEK)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	44.1	40.1	37.9
TOTAL AGRICULTURAL PRODUCTION/CROPS	40.4	35.8	37.7
RICE	41.3	46.0	49.2
VEGETABLES AND MELONS	37.8	44.5	37.4
TOTAL FRUIT AND TREE NUTS	38.2	32.2	35.8
TREE NUTS	39.7	33.8	36.4
DECIDUOUS TREE FRUIT	39.0	31.6	35.8
OTHER FRUITS AND NUTS	35.7	31.9	35.2
HORTICULTURAL SPECIALTIES	39.7	38.8	42.6
GENERAL FARM PRIMARILY CROP	45.1	38.5	36.4
TOTAL AGRIC PRODUCTION/LIVESTOCK	53.2	49.5	41.5
TOTAL AGRICULTURAL SERVICES	50.2	47.9	36.6
CROP SERVICES	40.7	44.2	38.3
HARVEST PRIMARILY BY MACHINE	48.5	41.8	41.9
PREPARATION SVCS FOR MARKET	34.6	46.2	35.8
TOTAL FARM LABOR & MANAGEMENT	56.5	50.4	34.2

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 6-E
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)
SACRAMENTO VALLEY REGION
(IN DOLLARS PER HOUR)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	6.38	6.59	6.45
TOTAL AGRICULTURAL PRODUCTION/CROPS	6.45	6.42	6.18
RICE	8.35	8.91	7.12
VEGETABLES AND MELONS	8.14	7.96	7.57
TOTAL FRUIT AND TREE NUTS	5.87	5.89	5.74
TREE NUTS	6.34	6.19	5.63
DECIDUOUS TREE FRUIT	5.52	5.84	5.93
OTHER FRUITS AND NUTS	5.96	5.73	5.62
HORTICULTURAL SPECIALTIES	6.50	6.61	6.08
GENERAL FARM PRIMARILY CROP	6.44	6.31	6.22
TOTAL AGRIC PRODUCTION/LIVESTOCK	7.85	7.98	7.63
TOTAL AGRICULTURAL SERVICES	5.63	6.27	6.64
CROP SERVICES	7.21	7.43	6.76
HARVEST PRIMARILY BY MACHINE	7.71	7.61	6.38
PREPARATION SVCS FOR MARKET	6.66	7.30	7.06
TOTAL FARM LABOR & MANAGEMENT	4.87	5.59	6.46

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

TABLE 7-A
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)
NORTH COAST REGION
(IN THOUSANDS)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	10.5	11.1	10.3
TOTAL AGRICULTURAL PRODUCTION/CROPS	7.7	7.9	7.1
TOTAL FRUITS AND TREE NUTS	5.9	6.1	5.8
GRAPES	4.8	4.9	4.8
OTHER FRUITS AND NUTS	1.1	1.2	1.0
TOTAL HORTICULTURAL SPECIALTIES	1.5	1.5	1.0
GENERAL FARM PRIMARILY CROP (2)	0.3	0.3	0.3
TOTAL AGRIC PRODUCTION/LIVESTOCK	1.7	1.8	1.8
TOTAL AGRICULTURAL SERVICES	1.1	1.4	1.4

- (1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.
- (2) INSUFFICIENT SAMPLE TO SUPPORT PRODUCTION WORKER, HOURS, OR EARNINGS ESTIMATES.

TABLE 7-B
 AGRICULTURAL PRODUCTION WORKERS (1)
 NORTH COAST REGION
 (IN THOUSANDS)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	8.3	9.0	8.2
TOTAL AGRICULTURAL PRODUCTION/CROPS	6.1	6.3	5.6
TOTAL FRUITS AND TREE NUTS	4.5	4.7	4.5
GRAPES	3.5	3.6	3.6
OTHER FRUITS AND NUTS	1.0	1.1	0.9
TOTAL HORTICULTURAL SPECIALTIES	1.3	1.3	0.9
TOTAL AGRIC PRODUCTION/LIVESTOCK	1.4	1.5	1.4
TOTAL AGRICULTURAL SERVICES	0.8	1.2	1.2

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 7-C
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)
NORTH COAST REGION
(IN DOLLARS PER WEEK)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	292.60	273.74	256.78
TOTAL AGRICULTURAL PRODUCTION/CROPS	284.69	233.24	247.09
TOTAL FRUITS AND TREE NUTS	298.80	232.56	250.47
GRAPES	313.39	241.96	263.25
OTHER FRUITS AND NUTS	247.38	200.96	199.08
TOTAL HORTICULTURAL SPECIALTIES	237.87	231.32	240.20
TOTAL AGRIC PRODUCTION/LIVESTOCK	326.59	309.23	324.56
TOTAL AGRICULTURAL SERVICES	288.76	440.66	221.13

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 7-D
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)
NORTH COAST REGION
(IN HOURS PER WEEK)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	41.8	38.5	37.0
TOTAL AGRICULTURAL PRODUCTION/CROPS	41.5	34.1	35.4
TOTAL FRUITS AND TREE NUTS	41.1	31.3	34.5
GRAPES	40.7	31.1	34.1
OTHER FRUITS AND NUTS	42.8	32.0	36.0
TOTAL HORTICULTURAL SPECIALTIES	42.1	42.6	40.1
TOTAL AGRIC PRODUCTION/LIVESTOCK	48.6	46.5	47.8
TOTAL AGRICULTURAL SERVICES	32.3	51.6	31.5

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 7-E
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)
NORTH COAST REGION
(IN DOLLARS PER HOUR)

INDUSTRY	MAR 1992	FEB 1992	MAR 1991
TOTAL AGRICULTURAL	7.00	7.11	6.94
TOTAL AGRICULTURAL PRODUCTION/CROPS	6.86	6.84	6.98
TOTAL FRUITS AND TREE NUTS	7.27	7.43	7.26
GRAPES	7.70	7.78	7.72
OTHER FRUITS AND NUTS	5.78	6.28	5.53
TOTAL HORTICULTURAL SPECIALTIES	5.65	5.43	5.99
TOTAL AGRIC PRODUCTION/LIVESTOCK	6.72	6.65	6.79
TOTAL AGRICULTURAL SERVICES	8.94	8.54	7.02

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.